

mentioned is about an eighth of a mile east of this. The sandstone dips about S. 10° E., 30° .

Study of this region forced me to believe in the correctness of Mr. Hall's conclusion that the hydromica of the South Valley Hill overlies the limestone, and further, that the sandstone and limestone of Cream Valley are the Potsdam and limestone of the Chester Valley rising on the southeasterly leg of the synclinal which includes the hydromica. But if this sandstone north of Paoli is Potsdam, occurring as it does between the limestone and the hydromica, this theory is untenable and the theory of Prof. Rogers and of Dr. Frazer that the hydromica is older than the Potsdam must be correct. It is my wish to study this further but I desire to record the observation at once while the exposure is favorable for study, that others may have the opportunity to examine it.

FEBRUARY 17.

The President, Dr. LEIDY, in the chair.

A paper entitled, "Notes on some little-known American fossil Tortoises," by Dr. G. Baur, was presented for publication.

On the Age of the Peace Creek Beds, Florida.—The following communication from MR. WM. H. DALL was read by the President:—

"I am just back from Florida and have been exploring Peace Creek where the fossil bones are found and have determined the stratigraphical relation of the beds they come out of. I thought you would like to know about it. They are under Marine Pliocene beds corresponding to part of the Caloosahatchie beds and overlie or are mixed with older Pliocene phosphatized rock which has many of the Caloosahatchie shells in it but which on the whole seems rather older. The bones then,—that is those from Peace Creek, which are all derived from one original stratum not over two feet thick,—are older Pliocene beyond any question. I found actually in the bed mastodon, manatee, horse, glyptodon and big turtle with others I did not recognize. I did not try to collect much, as my visit was hurried. I saw also beautiful Pliocene rock from Wakulla Co., with bones actually in it, as well as finely preserved casts of Pliocene shells. I think the big *Elephas columbi* is older than the forms above mentioned, at all events sections of its tusks are found right on top of the Miocene near Bartow and their state of fossilization is much more complete than in the case of the bones from the clay or Peace Creek beds."

On a probable new species of Bipalium.—DR. BENJAMIN SHARP called attention to a large land Planarian, which had been given to